



Formerly Utilized Sites Remedial Action Program



FACT SHEET

*This fact sheet provides information about the Formerly Utilized Sites Remedial Action Program sites.
When remedial action for a site is complete, the site will be managed under the
U.S. Department of Energy Office of Legacy Management.*

Background

The U.S. Atomic Energy Commission (AEC) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in March 1974 to evaluate radioactive contamination at sites where work was performed to develop the nation's nuclear weapons and early atomic energy program.

In August 1942, the U.S. Army directed the Manhattan Engineer District of the U.S. Army Corps of Engineers to manage development of the technology and production facilities for the first atomic weapons. In August 1946, President Truman signed the Atomic Energy Act, which created the civilian AEC. Congress abolished the Manhattan Engineer District on January 1, 1947, and transferred responsibility for the atomic weapons program to the newly formed AEC.

Through the 1960s, AEC employed contractors at many sites throughout the United States to process and store uranium and thorium ores and other radioactive materials

for the nuclear weapons program. Although most of the sites were cleaned up to guidelines that were in effect at the time, more stringent standards have been put into effect since then. AEC identified a need to reexamine the sites in the early 1970s to evaluate potential risks to human health and the environment where levels of radioactive contamination might exceed the new standards.

In 1977, administration and execution of FUSRAP was assigned to the U.S. Department of Energy (DOE), whose initial task was to identify potential FUSRAP sites for cleanup. After reviewing records and radiometric surveys for more than 600 sites connected with the nuclear weapons program, DOE identified 46 sites that required cleanup. Limited cleanup began in 1979, and major remedial action was under way in 1981. Between 1981 and 1997, DOE remediated 25 of the 46 sites.

Congress transferred responsibility for FUSRAP site characterization and remediation to the U.S. Army Corps of Engineers in 1997 as part of the Energy and Water



Development Appropriations Act of 1998. The Corps of Engineers is remediating the remaining sites under the framework of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the National Contingency Plan.

A 1999 Memorandum of Understanding between the Corps of Engineers and DOE defined the roles of each agency in administering and executing FUSRAP. DOE assumed responsibility for the 25 sites cleaned up between 1981 and 1997 and, beginning in 2004, the DOE Office of Legacy Management is responsible for surveillance, operation, and maintenance of the sites, including monitoring and enforcement of any institutional controls imposed on the sites. Institutional controls typically depend on some legal order such as zoning

ordinances, laws, and deed restrictions to protect public health and the environment from hazardous substances left in place at a site or to ensure the effectiveness of the remedy.

The Corps of Engineers assumed responsibility for cleanup of the remaining 21 of the 46 sites that DOE identified in the original assessment. The Corps of Engineers retains responsibility for surveillance, operation, and maintenance at a site for 2 years after site closeout, defined as the completion of cleanup and publication of notice in accordance with the provisions of CERCLA, the National Contingency Plan, and Corps of Engineers procedures. Beginning 2 years after site closeout, DOE assumes responsibility for the site, including monitoring and enforcement of any institutional controls imposed on the site.

Completed FUSRAP Sites Assigned to DOE Office of Legacy Management

Acid/Pueblo Canyon Site Los Alamos, New Mexico	Bliss & Laughlin Site Buffalo, New York	Madison Site Madison, Illinois
Alba Craft Laboratory Site Oxford, Ohio	C.H. Schnorr Site Springdale, Pennsylvania	Middlesex Municipal Landfill Site Middlesex, New Jersey
Albany Research Center Site Albany, Oregon	Chapman Valve Site Indian Orchard, Massachusetts	National Guard Armory Site Chicago, Illinois
Aliquippa Forge Site Aliquippa, Pennsylvania	Chupadera Mesa Site White Sands, New Mexico	New Brunswick Laboratory Site New Brunswick, New Jersey
Associate Aircraft Site Fairfield, Ohio	Elza Gate Site Oak Ridge, Tennessee	Niagara Falls Storage Site Vicinity Properties Lewiston, New York
B and T Metals Site Columbus, Ohio	General Motors Site Adrian, Michigan	Seymour Specialty Wire Site Seymour, Connecticut
Baker and Williams Warehouses Site New York, New York	Granite City Steel Site Granite City, Illinois	University of California Site Berkeley, California
Baker Brothers Site Toledo, Ohio	HHM Safe Company Site Hamilton, Ohio	University of Chicago Site Chicago, Illinois
Bayo Canyon Site Los Alamos, New Mexico	Kellex/Pierpont Site Jersey City, New Jersey	Ventron Site Beverly, Massachusetts

Active FUSRAP Sites* Assigned to U.S. Army Corps of Engineers

Ashland Oil 1 Site Tonawanda, New York	Luckey Site Luckey, Ohio	St. Louis Downtown Site St. Louis, Missouri
Ashland Oil 2 Site Tonawanda, New York	Niagara Falls Storage Site Lewiston, New York	Seaway Industrial Park Site Tonawanda, New York
Colonie Interim Storage Site Colonie, New York	Maywood Site Maywood, New Jersey	Shpack Landfill Site Norton, Massachusetts
Combustion Engineering Site Windsor, Connecticut	Middlesex Sampling Plant Site Middlesex, New Jersey	Wayne Interim Storage Site Wayne, New Jersey
E.I. DuPont Site Deepwater, New Jersey	Painesville Site Painesville, Ohio	W.R. Grace Co. Site Curtis Bay, Maryland
Latty Avenue Properties Site Hazelwood, Missouri	St. Louis Airport Site St. Louis, Missouri	*Additional sites may be added
Linde Air Products Division Site Tonawanda, New York	St. Louis Airport Vicinity Properties Site Hazelwood and Berkeley, Missouri	

Potential New Sites

After further research, DOE identified several additional sites that are potential candidates for remediation under FUSRAP. DOE has referred these sites to the Corps of Engineers, who will perform preliminary assessments to evaluate contaminant levels. The Corps of Engineers will propose that sites be added to the program where risks or contaminant levels exceed current screening standards and where the Federal Government is a potentially responsible party.

Current Status

DOE is responsible for the 25 sites that were completed before 1999. Since then, the Corps of Engineers has completed two additional sites—the Bliss & Laughlin Site in Buffalo, New York, and the Madison Site in Madison, Illinois—and has transferred responsibility for those sites to DOE as well. The Corps of Engineers currently is responsible for remediation of the remaining sites.

The Corps of Engineers is also performing additional assessment work at the New Brunswick Laboratory Site in New Jersey. In accordance with the 1997 legislation and the 1999 Memorandum of Understanding, if additional assessment or remedial action is required for a site that has been transferred to DOE for long-term surveillance and maintenance, the Corps of Engineers will perform the additional work.

Legacy Management Activities

DOE remediated most of the FUSRAP sites to a condition that allows unrestricted use of the site following cleanup. These sites pose no risk for any possible future land use, including subsistence farming. The subsistence farming land-use scenario is the most restrictive because it assumes that humans living on the property will consume food that is produced on the property. Contaminants must be removed to the point that possible routes of exposure (ingestion, direct exposure, and inhalation) present no risk to human health. For these sites, DOE long-term

surveillance and maintenance activities consist of managing site records so future custodians may readily answer questions or concerns about the site and responding to questions or concerns from stakeholders.

At some sites, residual contaminants were left in place, and some site uses must be restricted. At these locations, DOE will monitor land use to ensure protection of human health and the environment. DOE will conduct site surveillance and monitoring activities in accordance with approved site-specific plans. Activities may include site inspections and reporting, maintenance of access controls, environmental monitoring, records and data management, and responses to stakeholder concerns.

Regulatory requirements are described in site documents available on the DOE Legacy Management website at <http://www.LM.doe.gov>.

DOE will manage the FUSRAP Considered Sites Database to provide public access to information about all the sites that were evaluated during the search for potential FUSRAP sites. This information documents eligibility determinations and characterization, remediation, verification, and certification activities for all FUSRAP sites. The Considered Sites Database is available to the public online at <http://csd.apps.em.doe.gov/>.

Contacts

For more information about FUSRAP, contact

U.S. Department of Energy
Office of Legacy Management
2597 B ¾ Road, Grand Junction, CO 81503

Vijay Kothari, Site Manager (304) 285-4579
Office of Land and Site Management

Christopher Clayton, Site Manager (202) 586-9034
Office of Policy and Site Transition

Audrey Berry, Stakeholder Relations (970) 248-7727
(970) 248-6070 (monitored continuously) or
(877) 695-5322 (toll free)